

October 20-22, 2021
Radisson Hotel, Reading, PA

CONFERENCE & TRADE SHOW



ATTENDEE REGISTRATION

REGISTER ONLINE AT
www.PENNBOC.org



Pennsylvania Building Officials Conference
PO Box 82 | Bethlehem, PA 18016
(717) 730-6036 | www.PENNBOC.org

2021

You're Invited to Attend the 2021 PENNBOC Conference & Trade Show!

The 2021 Conference and Trade Show will be held **in-person** on **October 20-22, 2021**, at the Radisson Hotel, Reading, PA.

PENNBOC is offering building code professionals the opportunity to choose from full- and half-day courses focusing on residential, commercial, fire, and other unique topics! **View seminar descriptions in the full Attendee Brochure at www.pennboc.org.**

The conference is designed to fit your schedule! You can attend one, two, or the entire two and one-half day conference format. If you are unable to attend in-person due to COVID safety concerns or travel distance, we will be **OFFERING SELECT SEMINARS VIRTUALLY**. Visit the PENNBOC website to sign up for the live-streamed version of the training.

Network with colleagues from around the Commonwealth, interact with vendors, and obtain training in a number of areas! Just complete & return the enclosed registration form or register/pay online at www.pennboc.org.



Find more info & register online at www.PENNBOC.org

Attendee Deadlines

Early Bird Deadline: Oct 1st

Registration Deadline: Oct 17th



CONFERENCE VENUE

Radisson Reading Hotel *(former Crowne Plaza)*

1741 Papermill Road
Reading, PA 19610
Hotel Phone: (610) 376-3811



The Radisson Reading hotel is the largest full-service hotel in Wyomissing and West Reading, featuring that local touch of hospitality and charming staff to welcome you in. The hotel is within walking distance of multiple restaurants and has easy access to the PA Turnpike and the West Reading Shopping District. Amenities include an indoor pool, 24-hour fitness center, business center, and an outdoor courtyard.

PENNBOC conference goers can receive a special room rate of **\$95 per night**.

Use the Group Name: **PENNBOC** when making your guest reservations. Hotel discount is available until **Oct 1st**.

ATTENDEE REGISTRATION FORM

Attendee Name: _____

Jurisdiction/Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

PENNBOC Member? ☐ Yes; ☐ No; ☐ Yes, I'm a new member joining today (add \$85 to total due)

Where have you seen the conference advertised? ☐ Email; ☐ Mail; ☐ Internet Search; ☐ Facebook; ☐ Word of Mouth
☐ PENNBOC Website; ☐ Through Another Organization; ☐ Other

REGISTRATION INFO

I am registering for:

Full conference: *(includes all meals)*

<u>Member Rates</u>	<u>Non-Member Rates</u>
<input type="checkbox"/> Early Bird Fee (until Oct 1 st) - \$400	<input type="checkbox"/> Early Bird Fee (until Oct 1 st) - \$500
<input type="checkbox"/> Standard Fee - \$450	<input type="checkbox"/> Standard Fee - \$550
<input type="checkbox"/> Add-on a full meal plan for my guest - \$195 Name: _____	

By-the-day conference: *(includes lunch)*

<u>Member Rates</u>	<u>Non-Member Rates</u>
<input type="checkbox"/> Wednesday Only - \$220	<input type="checkbox"/> Wednesday Only - \$275
<input type="checkbox"/> Thursday Only - \$220	<input type="checkbox"/> Thursday Only - \$275
<input type="checkbox"/> Friday Only - \$95	<input type="checkbox"/> Friday Only - \$120

Add-on a reception ticket for me on ☐ Wed Eve - \$50; and/or, ☐ Thu Eve - \$50

Virtual seminars: Visit www.PENNBOC.org to register for the live-stream version of select seminars

CONFERENCE SEMINAR SELECTIONS *(Check your desired seminars below.)*

	Residential Track	Commercial Track	Fire & Safety Track	Administration Track
Wed AM <i>(8:30am)</i>	<input type="checkbox"/> 2018 IRC Update (6 CEUs)	<input type="checkbox"/> 2018 Commercial Plumbing Update (3 CEUs)	<input type="checkbox"/> Sprinkler Fundamentals (6 CEUs)	<input type="checkbox"/> Advanced Legal Aspects of Code Administration for Building Code Officials & Inspectors (6 CEUs)
Wed PM <i>(1:30pm)</i>		<input type="checkbox"/> 2018 Mechanical & Fuel Gas Code Updates (3 CEUs)		
Thu AM <i>(8:30am)</i>	<input type="checkbox"/> Significant Electrical Changes to NEC/IRC (3 CEUs)	<input type="checkbox"/> Significant Changes to the A117.1 Accessibility Standard, 2017 Edition (6 CEUs)	<input type="checkbox"/> Solar Energy Systems, Hazard Recognition & Mitigation (3 CEUs)	<input type="checkbox"/> Warrants & Entry Issues for Code Officials (3 CEUs)
Thu PM <i>(1:30pm)</i>	<input type="checkbox"/> Energy Code for Residential Buildings (3 CEUs)		<input type="checkbox"/> Reconciling Building Safety Demands & COVID Occ. Mandates (3 CEUs)	<input type="checkbox"/> Courtroom Testimony and the Code Official (3 CEUs)
Fri AM <i>(8:30am)</i>	<input type="checkbox"/> 2018 In'tl Swimming Pool & Spa Code (3 CEUs)	<input type="checkbox"/> 2018 Commercial IBC Updates (3 CEUs)	<input type="checkbox"/> Case Study: Innovative Approach to Fire Inspect. & Property Maintenance Programs (3 CEUs)	<input type="checkbox"/> How to Defuse a Hostile Situation (1 CEU); and, MS4 Stormwater Mang't Training (2 CEUs)

PAYMENT *(Return form & payment to: PENNBOC, PO Box 82, Bethlehem, PA 18016)*

TOTAL AMOUNT DUE: ☐ Check Enclosed *(Register online to pay by credit card or check)*
\$ _____

Additional conference details & online registration at www.PENNBOC.org

PENNSYLVANIA BUILDING OFFICIALS CONFERENCE

2021 PENNBOC Conference & Trade Show | October 20-22, 2021 | Radisson Hotel, Reading, PA

Seminar Descriptions

Wednesday, October 20, 2021

Residential Track

8:30am-5:00pm

2018 IRC Update (6 CEUs)

In accordance with the requirements of Act 45 of 1999 as amended, the Pennsylvania Uniform Construction Code (UCC) Review and Advisory Council (RAC) completed the review of the 2018 I-Codes on April 29, 2021. The code provisions that were adopted during this process will take effect in the first quarter of 2022 with the official effective date to be confirmed. This program will review implications of transitioning to 2018 ICC base codes, discuss PA legislative and RAC amendments, and dive into some highlights of the new code provisions for residential construction. This program will also take a closer look at air sealing, stucco and stone wall assemblies, and the updated PA Alternative Residential Energy Provisions.

Commercial Track

8:30am-12:00pm

2018 Commercial Plumbing Update (3 CEUs)

This seminar is designed to familiarize building officials, plans examiners, inspectors, and others in the construction industry with many of the important commercial changes in the 2018 International Plumbing Code. The seminar overviews the changes from the 2015 to the 2018 IPC (commercial).

1:30pm-5:00pm

2018 Mechanical & Fuel Gas Code Updates (3 CEUs)

This seminar is designed to familiarize building officials, plans examiners, inspectors, and others in the construction industry with many of the important changes in the 2018 International Mechanical Code and the 2018 International Fuel Gas Code. The seminar overviews the changes from the 2015 to the 2018 IMC and IFGC.

Fire & Safety Track

8:30am-5:00m

Sprinkler Fundamentals (6 CEUs)

Session is intended to provide a basic understanding of the four main types of fire sprinkler systems, how they operate and their common components. Session will be a lecture lead presentation, with numerous system components available for participants to look at and handle, followed by a tour of the facility's sprinkler risers to gain a better understanding of how water moves from the street, through the

system to the sprinkler heads. Why sprinkler protected facilities experience significant fire losses will be briefly discussed along with basic sprinkler inspection requirements.

Administrative Track

8:30am-5:00pm

Advanced Legal Aspects of Code Administration for Building Code Officials & Inspectors (6 CEUs)

This course covers the terminology, concepts, and principles of legal issues that affect building officials and inspectors in the administration of their duties. It will assist the building official or inspector, or persons interested in said discipline in understanding the legal concepts related to the model building codes. The course will address the specific legal issues that building officials and inspectors face in carrying out their duties and will focus on administrative issues such as the permit, inspection, plan review and appeal processes as well as enforcement issues including stop work orders, notices of violation, and complaints. Writing administrative search warrants and legal issues and liability specific to building officials and inspectors will also be covered. This is a follow-up course to the more basic "Legal Aspects of Code Administration."

Thursday, October 21, 2021

Residential Track

8:30am-12:00pm

Significant Electrical Changes to NEC/IRC (3 CEUs)

This class will discuss a few of the most significant electrical changes to the 2017 NEC/2018 IRC so you will be prepared for the upcoming PA Code adoption in 2022.

1:30pm-5:00pm

Energy Code for Residential Buildings (3 CEUs)

This session will begin with an overview of the benefits of energy code compliance and enforcement, including reduced energy costs, greenhouse gas emissions, and energy resilience. The program will highlight key differences between the 2009 and 2015 International Energy Conservation Code (IECC), along with a focus on measures that have been found to have low compliance rates, high energy impacts, or a combination of both. This program will focus heavily on air sealing verification and whole-house ventilation. DOE energy code field studies showed in numerous states that air sealing has the greatest energy savings potential given typical compliance rates under the 3 ACH50 requirement. Whole-house ventilation is essential for occupant health and building durability and the energy code has requirements to limit fan energy use. In addition, duct leakage was shown to be the biggest energy waster in Pennsylvania under the 2009 IECC and so will also be an area of focus. Performance testing and mechanical ventilation

requirements will be presented in conjunction with a review of an HVAC design worksheet and Duct and Envelope Testing (DET) verification form. The program will also cover duct insulation, HVAC controls, piping insulation and circulating service hot water requirements, dampers, lighting, and HVAC equipment sizing.

Commercial Track

8:30am-5:00pm

Significant Changes to the A117.1 Accessibility Standard, 2017 Edition (6 CEUs)

This course offers an overview of the major changes from the 2009 to the 2017 A117.1 Accessibility Standard. It identifies important revisions in the organization of the standard, changes and new technical provisions for accessible elements and the applicability of these requirements to design, plan review and inspection. You will learn about the background, reasons and justification for the changes.

Fire & Safety Track

8:30am-12:00pm

Solar Energy Systems, Hazard Recognition and Mitigation (3 CEUs)

With the sharp rise in the popularity of solar systems the building code official needs to understand fundamentally how these systems behave and what are the dangers associated with solar systems. The program will introduce the student to both passive and active solar systems, providing them with a fundamental understanding of how the system works. The discussion of active solar systems includes both hydronic and photovoltaic systems, to include on-grid systems, off-grid systems, and discussion on energy storage systems. With respect to hazard mitigation, the student will be able to identify system type, and understand the appropriate safety precautions needed to safely interact with the system.

1:30pm-5:00pm

Reconciling Building Safety Demands & COVID Occupancy Mandates Panel Discussion (3 CEUs)

With the on-set of COVID-19, the general public as well as industry professionals turned their focus on the safety of the building occupants with respect to the spread of the virus, in many cases without consideration of the overall safety of the building occupant. This was reminiscent of the efforts used to protect children against the threat of active shooter incidents in educational occupancies without consideration of long-time fire safety measures. This program will look at the COVID-19 response mandates and response measures, and evaluate them with regard to overall building safety. In addition, it will explore alternative methods of compliance that would meet both the intent of the COVID-19 mitigation requirements while maintaining code compliance and building safety.

Administrative Track

8:30am-12:00pm

Warrants & Entry Issues for Code Officials (3 CEUs)

This course is designed to give the participant a solid understanding of the legal and practical issues associated with obtaining warrants, serving warrants, and entry issues that building code officials must deal with when conducting inspections and other enforcement activities.

1:30pm-5:00pm

Courtroom Testimony and the Code Official (3 CEUs)

This educational and informational presentation addresses legal elements associated with code enforcement and courtroom testimony; the course applies and expands upon topics covered within the earlier Warrants for Code Officials session. Attendees will learn and be encouraged to address daily complaints and enforcement actions as if those actions were heading to court. Emphasis will be placed on proper case preparation by the code official prior to and during complaint receipt or observation(s), the perseverance due process rights, and understanding court procedural rules regardless of the court proceeding level. Proper documentation, evidence collection and preservation, court preparation, and effective testimony will be covered throughout this informative session designed as a replicated court room set up within the classroom. Actual attorneys and a judge will facilitate the testimony portion. It is rare to find a practical testimony course designed for code officials particularly one overseen directly by officers of the court. A desire to learn and willingness to actively participate will best prepare the code official for any courtroom appearances.

Friday, October 22, 2021

Residential Track

8:30am-12:00pm

2018 International Swimming Pool and Spa Code (3 CUEs)

The goal of this presentation is to introduce the code official to key information in the 2018 ISPSA. The focus of this presentation is the technical information recommended for plan review and field inspections of residential swimming pools and spas/hot tubs for new construction and remodeling.

Commercial Track

8:30am-12:00pm

2018 Commercial IBC Updates (3 CEUs)

This seminar is designed to familiarize building officials, plans examiners, inspectors, and others in the construction industry with many of the important changes in the 2018 International Building Code. The seminar overviews the changes from the 2015 to the 2018 IBC

Fire & Safety Track

8:30am-12:00pm

Case Study: Innovative Approach to Fire Inspection & Property Maintenance Programs (3 CEUs)

Is your municipality struggling due to the rapid reduction of volunteer fire fighters? Is your municipality looking to supplement part time or full-time municipal employees to fill in for the reduced number of volunteers? If so, this course is for you! Learn what one municipality has done. This program dives into the problem and provides solutions that you may not have thought for your municipality. The Public Safety Officer (PSO) and Community Service Officer (CSO) programs work with existing services to assist where help is needed. They also provide assistance to other municipal departments and community groups like schools and churches.

Administrative Track

8:30am-12:00pm

How to Defuse a Hostile Situation (1 CEU); and, MS4 Stormwater Management Training (2 CEUs)

Defuse Hostile Situation - Not unlike police officers, building officials are charged with enforcing rules, regulations and sometimes laws. Dealing with property owners who are frustrated or angered by bad news over their property is an art that all need to master. This session will discuss how to identify signs that a property owner may be on the verge of becoming belligerent. And if they do become hostile, the presenter will cover techniques that you can employ to verbally de-escalate the situation.

MS4 SWM Training - This course provides important information on Pennsylvania's Municipal Separate Storm Sewer System (MS4) program. Stormwater requirements created by the U.S. Clean Water Act, the PA Clean Streams Act, and state regulations are administered by Pennsylvania's Department of Environmental Protection. This session will detail how municipal officials can successfully meet these requirements as well as implement programs that can improve water quality for residents.

**** All seminar topics, dates, and times are subject to change ****

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Early Bird Deadline
October 1st

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Wednesday, October 20th

- 7:30am Attendee Registration & Coffee
- 8:30am Morning Seminars
- 12:00pm Lunch Break / Meeting
- 1:30pm Afternoon Seminars
- 5:00pm Happy Hour Reception

Thursday, October 21st

- 7:30am Attendee Registration & Coffee
- 8:30am Morning Seminars
- 12:00pm Lunch Break / Meeting
- 1:30pm Afternoon Seminars
- 5:00pm Happy Hour Reception

Friday, October 22nd

- 7:30am Attendee Registration & Coffee
- 8:30am Morning Seminars



**IN-PERSON &
VIRTUAL SEMINAR
OPTIONS AVAILABLE!**

REGISTER at www.PENNBOC.org